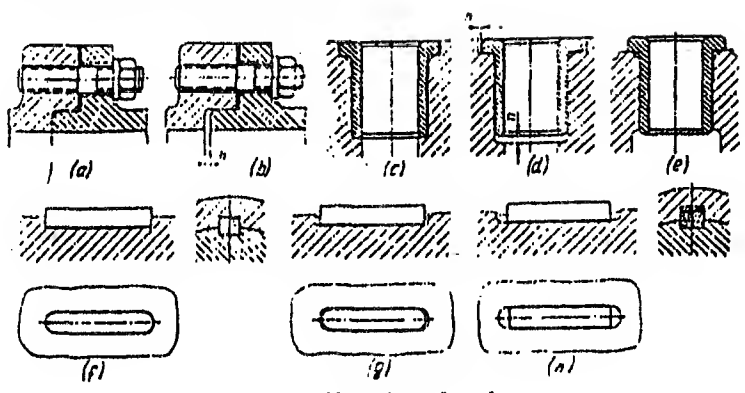
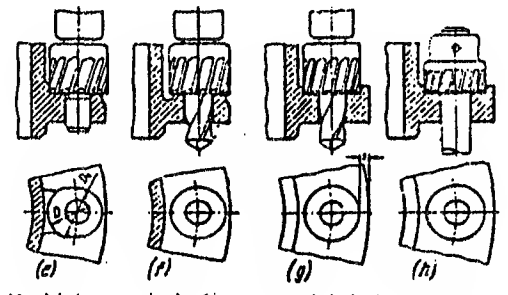


3. Considerations Related to Assembly:



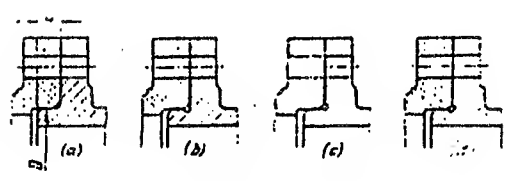
Do not use more than one location for a part fittings.

Matching of surfaces

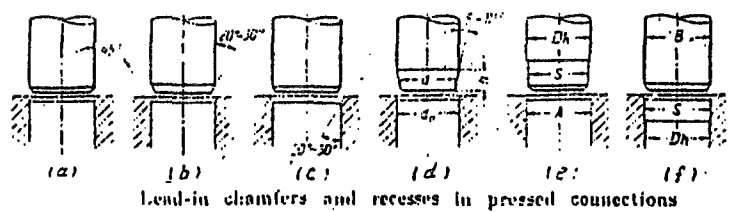


Use spot facing for nut seats.

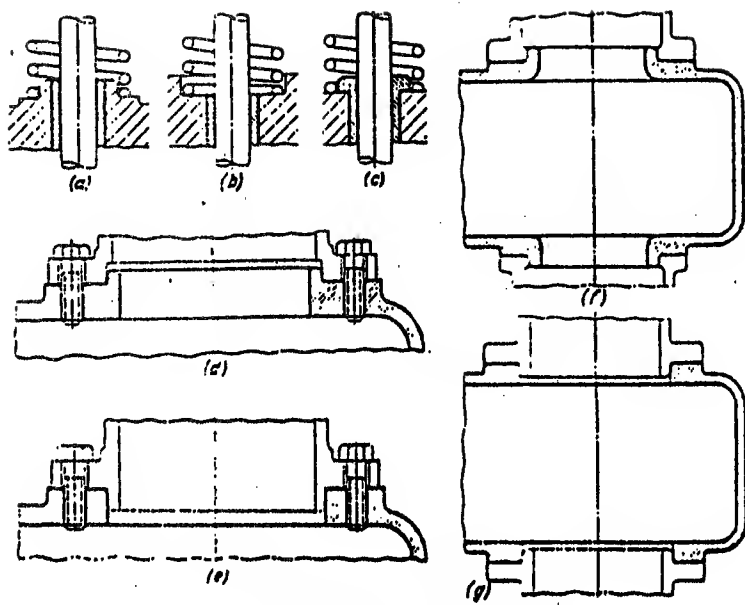
Machining methods for nut and bolt head bearing surfaces



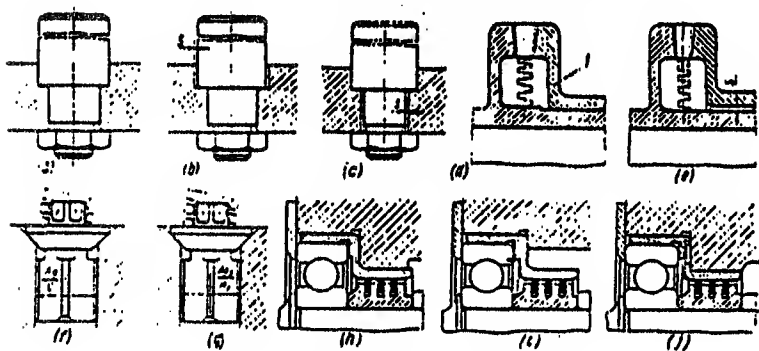
Centring shoulder designs



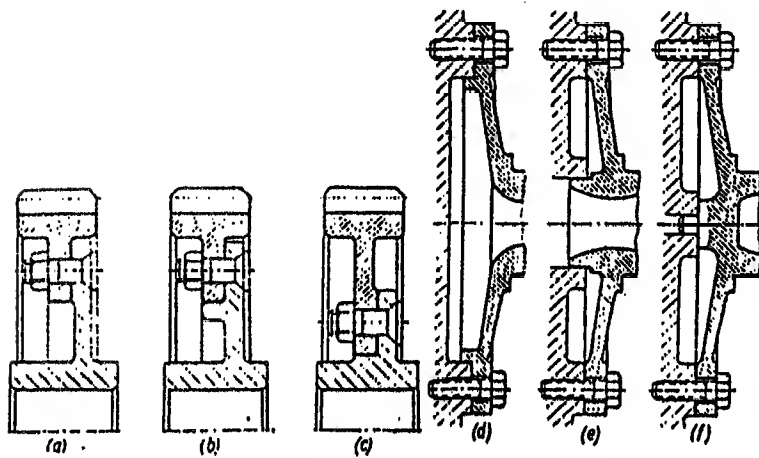
Lead-in chamfers and recesses in pressed connections



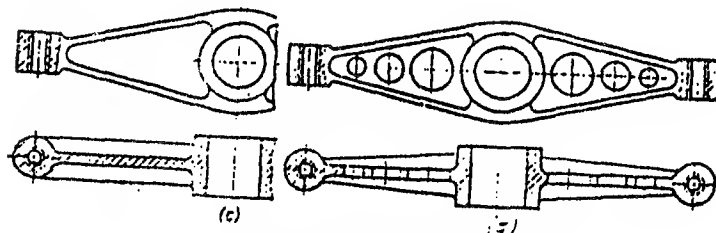
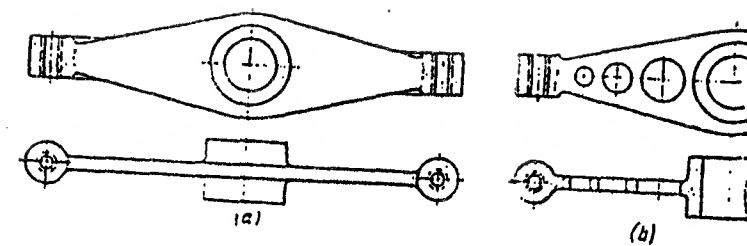
Positions of centering shoulders
(a), (d) and (f) wrong; (b), (c), (e) and (g) correct



Elimination of double centering

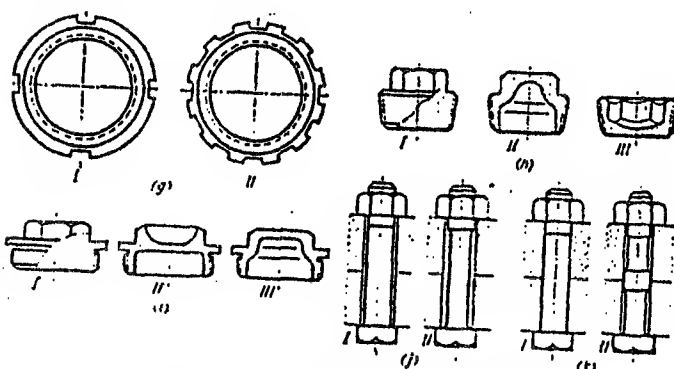
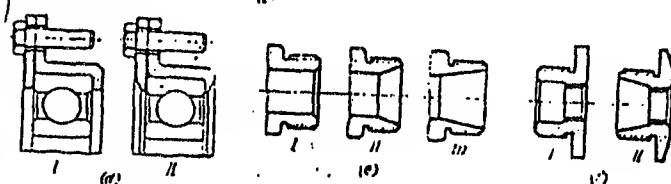
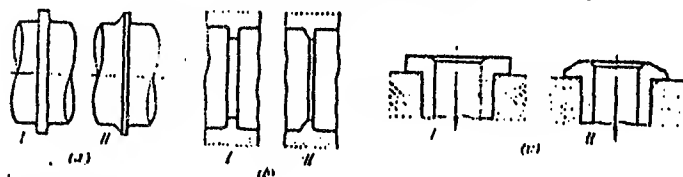


Reduction of centering diameter
(a-e) gear rim; (d-f) bolted bracket



Lightening of levers

(a), (c) original designs; (b), (d) reduced-weight versions



Methods of lightening component elements

(a) shaft collar; (b) thrust shoulder in a hole; (c) flange; (d) disk- and bush-type components; (e) threaded shaft end; (f) nut; (g) ring nut; (h), (i) screwed plugs and stoppers; (j) bolt; (k) locating bolt; I — original designs; II and III — reduced-weight versions

